

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P383753

Luminaire Tested: **14ID-60-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-60-L850-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

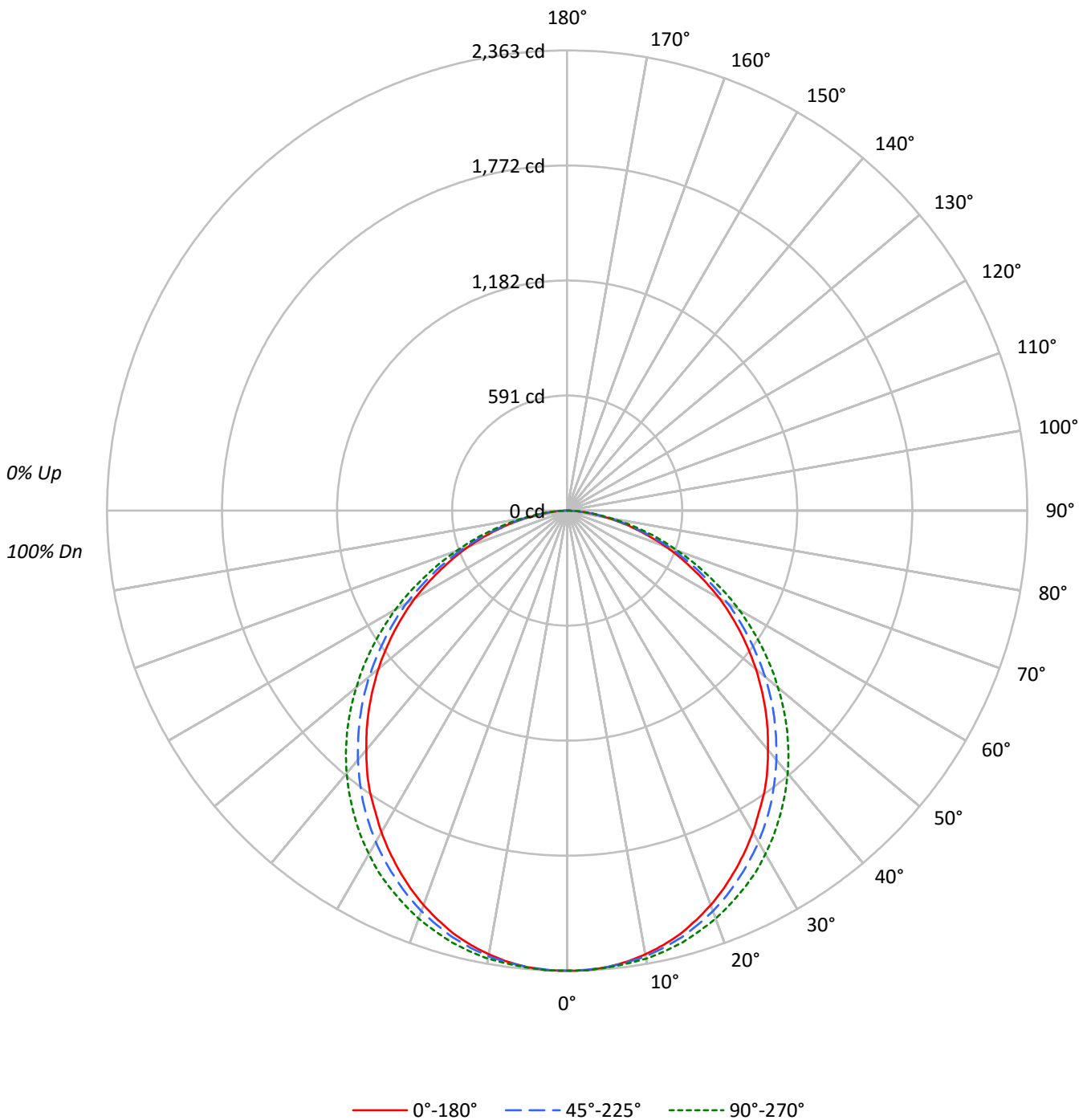
Lumens per Lamp: N/A
Luminaire Lumens: 6416.7 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92		94	91	89		90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76		82	78	74		79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55		65	59	54		63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47		58	52	47		57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42		53	46	41		51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6358	6358	6358
5°	6356	6356	6365
10°	6324	6350	6386
15°	6267	6321	6393
20°	6174	6267	6387
25°	6057	6191	6364
30°	5927	6108	6329
35°	5800	6002	6267
40°	5635	5873	6191
45°	5479	5724	6080
50°	5297	5554	5918
55°	5088	5346	5724
60°	4864	5125	5490
65°	4542	4809	5138
70°	4216	4444	4749
75°	3759	3960	4295
80°	3150	3301	3601
85°	2393	2393	2689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.6	3.5
10°-20°	639.8	10.0
20°-30°	962.1	15.0
30°-40°	1144.5	17.8
40°-50°	1164.5	18.1
50°-60°	1024.9	16.0
60°-70°	751.8	11.7
70°-80°	408.1	6.4
80°-90°	97.4	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1825.5	28.4
0°-40°	2970.0	46.3
0°-60°	5159.5	80.4
0°-90°	6416.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6416.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2363	2363	2363	2363	2363	
5°	2353	2350	2353	2353	2356	223
15°	2250	2253	2269	2282	2295	634
25°	2040	2053	2085	2121	2143	940
35°	1766	1778	1827	1882	1908	1102
45°	1440	1452	1504	1569	1598	1110
55°	1084	1101	1139	1194	1220	970
65°	713	726	755	788	807	709
75°	362	368	381	400	413	384
85°	78	78	78	84	87	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2362.7	2362.7	2362.7	2362.7	2362.7
2.5°	2362.7	2359.5	2359.5	2359.5	2362.7
5°	2353.0	2349.8	2353.0	2353.0	2356.2
7.5°	2336.9	2333.6	2340.1	2343.3	2346.5
10°	2314.3	2314.3	2323.9	2330.4	2336.9
12.5°	2285.2	2288.4	2298.1	2307.8	2317.5
15°	2249.7	2252.9	2269.1	2282.0	2294.9
17.5°	2204.5	2211.0	2230.3	2249.7	2262.6
20°	2156.1	2165.8	2188.4	2214.2	2230.3
22.5°	2101.2	2114.1	2140.0	2172.2	2188.4
25°	2039.9	2052.8	2085.1	2120.6	2143.2
27.5°	1975.4	1991.5	2027.0	2069.0	2094.8
30°	1907.6	1923.7	1965.7	2010.9	2036.7
32.5°	1833.3	1852.7	1897.9	1949.5	1975.4
35°	1765.6	1778.5	1826.9	1881.8	1907.6
37.5°	1688.1	1704.2	1749.4	1807.5	1836.6
40°	1604.2	1620.3	1672.0	1730.1	1762.3
42.5°	1523.5	1536.4	1588.0	1652.6	1681.6
45°	1439.6	1452.5	1504.1	1568.7	1597.7
47.5°	1352.4	1368.5	1417.0	1478.3	1507.3
50°	1265.3	1278.2	1326.6	1384.7	1413.7
52.5°	1174.9	1187.8	1233.0	1291.1	1320.1
55°	1084.5	1100.6	1139.4	1194.3	1220.1
57.5°	994.1	1010.3	1045.8	1097.4	1120.0
60°	903.8	916.7	952.2	997.4	1020.0
62.5°	806.9	816.6	852.1	897.3	916.7
65°	713.3	726.2	755.3	787.6	806.9
67.5°	626.2	632.6	658.5	694.0	706.9
70°	535.8	542.3	564.8	593.9	603.6
72.5°	445.4	455.1	471.2	497.1	510.0
75°	361.5	368.0	380.9	400.2	413.1
77.5°	280.8	284.0	293.7	309.9	319.5
80°	203.3	206.6	213.0	225.9	232.4
82.5°	135.6	138.8	142.0	148.5	154.9
85°	77.5	77.5	77.5	83.9	87.1
87.5°	29.0	25.8	25.8	25.8	25.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)